
From: EOC Water
Sent: Friday, September 1, 2017 3:54 PM
To: Rodriguez, Jose; Restivo, Angela; Waite, Andrew; McCasland, Mark; Ngo, Kim; Brown, James; Eoc, Epahq; Apanian, David M.; OW SES Managers and Supervisors; Forsgren, Lee; Senft, Lea; Liguori, Alex; Fencil, Jeffrey; Goldbloom-Helzner, David; Ison, Dawn; Pickard, Brian; Oh, Peter; Casillas, Laura; Young, Dwane; Tiago, Joseph; Tricas, Marisa; fema-nrcc-ohul@fema.dhs.gov; Honker, William; Hosch, Claudia; Dwyer, Stacey; Watson, Jane; Cooper, Tiffany; Bissonette, Eric; Tingley, Kevin; EOC Situation Unit
Cc: EOC Water; Shafer, Michelle M CIV USARMY CEHQ (US); Ruminski, Andrea K CIV USARMY CESP (US)
Subject: OW Management Report for Hurricane Harvey for 9-1-2017
Attachments: OW Management Report_Harvey_09012017.docx

All,

Attached and pasted below is the OW Manager's Report for Hurricane Harvey for 9/1/2017.

Thanks,

-David Goldbloom-Helzner/Water Desk
202-250-8920

**OW Management Report for
Hurricane Harvey
September 1, 2017**

Background: Harvey continues to weaken as it moves farther inland over northern LA. Heavy rain threat expands northeast into the Tennessee and Ohio valleys

Local/State Activities:

Texas

- EOC at Full Activation
- Governor declared a State of Disaster for 50 counties
- Mandatory/voluntary evacuations in effect for 8 counties and several independent communities
- City of Houston imposed a curfew effective immediately

Louisiana

- EOC at Full Activation with ESFs 1, 3, 6, 7, 8, and DoD
- Governor declared a State of Emergency for all parishes

Federal Activities:

FEMA:

The Federal Emergency Management Administration (FEMA) has activated all Emergency Support Function (ESF) at FEMA Region 6 and the NRCC.

EPA Activities: Region 6:

EPA continues to support TCEQ in contacting drinking water and waste water systems. EPA deployed 10 personnel to assist TCEQ's Drinking Water and Waste Water Phone Bank located in Austin, Texas on August 28, 2017.

On Saturday, September 2, 2017, EPA will send four additional Drinking Water/Wastewater Assessment Teams to Corpus Christi, and four Drinking Water/Wastewater Assessment Teams to Houston.

EPA HQ:

The EPA HQ EOC was activated on Monday 8/28/2017. Water Desk Staffing for the holiday weekend is as follows:

Saturday 9/2: Kevin Tingley

Sunday 9/3: Brian Pickard

Monday 9/4: Kevin Tingley

Tuesday 9/5: David Goldbloom-Helzner

Drinking Water / Wastewater Assessments

Beaumont Water Plant is not operational now, but staff are running a line to the Nueces River near the existing intake on a temporary basis so service can be restored. By noon tomorrow they hope to be at half capacity, 10 MGD, and to full capacity of 20 MGD within 48 hours. Storage tanks are full or near full and valved off. The town is on a boil water notice. The residents are being provided bottled water and porta potties are being trucked in and set up.

EPA is working closely with the TCEQ to man a "call bank" to reach drinking water and waste water facilities to determine their needs and operational status. To date, TCEQ and EPA have determined that 53 drinking water systems are not functioning due to loss of power or damage from the storm. Another 58 drinking water systems are compromised and running on generator power. A total of 22 waste water systems are shut down. Boil water orders have been issued as appropriate. Army of Corp of Engineers is working to locate pumps for them. They will either truck or fly them in. The system is good on chemicals and they do have chlorine tanks but they are secure in a building that is not impacted. Also, the Texas State Operations Center (SOC) is working to begin on hauling water as soon as a route is determined.

2017 HURRICANE HARVEY DRINKING WATER OPERATIONAL STATUS

Current Status: Operational status codes best describe the condition of the system at the time of the current assessment.

Codes that result in Red & Yellow will require additional follow up (phone or site). Blue codes require a site visit.

Status Detail	Status Code Description
No problems	Normal power was never lost (or was restored before pressure loss) AND System never lost treatment.
Lifted BWN due to neg. BacT samples. Normal operations resumed	BW lifted – negative BacT results. System has returned to normal operations, on grid power and with treatment. CLEAR code used when sampling has been used to lift BWN, otherwise OK code used.
On generator – never lost pressure	Currently operating on emergency power/generator but system never lost pressure and/or treatment (generator wear out/refueling concerns).
On generator – lost pressure	Currently operating on emergency power/generator and system lost pressure and/or treatment before getting emergency power (contamination concerns).
Lost pressure & or Treatment	System on grid power but has lost pressure and or treatment and has not been able to lift BWN.
BacT sample results pending	System functional, flushed and BacT samples collected to clear BWN.
Not Operating	Contact made with system. System is offline & or unable to maintain required pressure and/or treatment.
System Destroyed	System Destroyed.
Out of Contact	Contact attempted by phone but system is unreachable; will call again.
No Status Available	No Contact made.

from 50 TX counties tracked in Response Manager system.

Water Operational Definition: All drinking water served to customers is treated to National Primary Drinking Water Standards and is moving through all parts of the distribution system at or above the state-required minimum pressure (20 psi or 35 psi for Harris County). The system is able to meet these requirements on a permanent basis in lieu of a temporary basis in response to the incident.

Boil Water Notice (BWN): A BWN is required any time a system drops below 20 psi at any point in the distribution system. A 24-hour public notification is required and a system must take bacteriological (BacT) samples once the minimum 20 psi can be consistently maintained. Bacteriological sample analysis must return an “absent” result indicating the sample is absent of bacteriological contamination.

Summary Information on System Status as Reported by TCEQ		
	Systems	Population
Boil Water Notices (BWN) In Place	166	264,431
Inoperable Public Water Systems	61	226,999

Inoperable Wastewater Treatment Systems	30	NA
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2017 HURRICANE HARVEY WASTEWATER OPERATIONAL STATUS

Current Status: Operational status codes best describe the condition of the system at the time of the current assessment.

Codes that result in Red & Yellow will require additional follow up (phone or site visit). Blue codes require a site visit.

Status Code	Status Detail	Status Code Description	Number of Systems*
OK	No Problems	WWTP and Collection system fully operational and on grid power	428
OpGen	WWTP and Collection on Generator	WWTP and/or Collection system is fully operational and on Generator Power or bypass pumps for lift stations (generator wear out/refueling concerns).	25
Pop	WWTP and Collection Partially Operational SSO	WWTP and/or Collection system partially operational – Sanitary Sewer Overflow (SSO) in collection system (public health concerns).	16
NonOp	WWTP and Collection non-operational no SSO	WWTP and/or Collection system non-operational – No Sanitary Sewer Overflow.	29
	System Destroyed	System Destroyed	1
OUT	Out of Contact - phone eval only	Contact attempted by phone but system unreachable; will call again.	5
NO STATUS	No Status Available	No Contact made.	1912
*Total number of systems from 50 TX counties tracked in Response Manager system			2469

Wastewater Operational Definition - All domestic wastewater collected, treated then discharged or land applied is permitted through the Texas Pollution Discharge Elimination System (30 TAC 305 rules) and discharges are required to meet the standards set by the Texas Surface Water Quality Standards and the Federal Clean Water Act. The wastewater collection and treatment system is able to meet these requirements on a permanent basis in lieu of a temporary basis in response to the incident. This definition does not include "onsite wastewater treatments systems" regulated under 30 TAC 285.

STATUS OF INDIVIDUAL UTILITIES URRICANE HARVEY

TCEQ provided the following data on the status of individual water and wastewater utilities. It includes tables on boil water notifications, inoperable public water systems, and inoperable wastewater systems.

Boil Water Notifications (6 pages long)

County	PWSID	PWS Name	Population	Connections	Issue/ Start Date
HARRIS	1012806	Alton Theiss Subdivision	45	14	8/28/2017
HARRIS	1011687	Atascocita Acres Subdivision	381	128	8/28/2017
HARRIS	1010809	Bammel Oaks Estates No 1	33	13	8/28/2017
HARRIS	1010810	Bammel Oaks Estates No 2	234	80	8/28/2017
Harris	1010098	Beaumont Place	2082	694	8/26/2017
Liberty	1460175	Bella Vista	657	219	8/26/2017
HARRIS	1010099	Bergville Addition	27	10	8/28/2017
Brazoria	0200065	Bernard Acres	228	81	8/28/2017
HARRIS	1011860	Berry Hill Estates	144	52	8/28/2017
HARRIS	1011084	Boudreaux Gardens	123	34	8/28/2017
HARRIS	1011014	Brittmoore Utility Company	2871	827	8/28/2017
Brazoria	0200152	Calico Farms	75	23	8/28/2017
SAN JACINTO	2040038	Camilla Twin Harbor	554	195	8/30/2017
Jackson	1200022	Cape Carancahua WSC	1212	404	8/26/2017
Chambers	0360093	Carriage Trails	96	33	8/28/2017
Liberty	1460102	Cedar Estates	246	258	8/28/2017
MONTGOMERY	1700555	Cimarron Country	702	242	8/29/2017
Liberty	1460004	City of Daisetta	1137	403	8/30/2017
Goliad	0880001	City of Goliad	2025	1056	8/26/2017
San Patricio	2050001	City of Gregory	1901	650	8/26/2017
San Patricio	2050002	City of Ingleside	9557	3287	8/26/2017
Fayette	0750003	City of La Grange	4793	2323	8/28/2017
Jefferson	1230039	City of Nome	753	295	8/28/2017
San Patricio	2050004	City of Odem	2499	1285	8/26/2017
Calhoun	0290002	City of Port Lavaca	12248	5390	8/27/2017
Refugio	1960001	City of Refugio	2890	1404	8/29/2017
Aransas	0040002	City of Rockport	26450	10841	8/28/2017
San Patricio	2050006	City of Sinton	5657	2368	8/26/2017
Victoria	2350002	City of Victoria	62592	31853	8/24/2017

Montgomery	1700304	City of Wood Branch Village	1476	492	8/28/2017
ANGELINA	0030030	City of Zavalla	710	434	8/29/2017
HARRIS	1010116	Colonial Hills	930	311	8/28/2017
HARRIS	1013189	Country Club Green	405	138	8/27/2017
Brazoria	0200337	Country Creek Estates	198	71	8/28/2017
Jefferson	1230037	Country Side Estates	1176	425	8/28/2017
HARRIS	1013296	Cypress Creek Ranch	273	91	8/28/2017
Polk	1870126	Dallardsville Segno WSC	613	246	8/28/2017
Liberty	1460141	Dayton Creek Water System	225	22	8/28/2017
Liberty	1460136	Dayton Oaks Estate	216	72	8/28/2017
MONTGOMERY	1700129	Dogwood Hills	927	317	8/28/2017
HARRIS	1010122	Dorsett Place	42	15	8/28/2017
Jim Wells	1250033	ENGLISH ACRES	90	30	8/26/2017
HARRIS	1013262	Estates of Willow Creek	588	237	8/28/2017
Nueces	1780058	Flint Hills Resources	2183	1	8/26/2017
Brazoria	0200153	Flora 6	51	16	8/28/2017
Brazoria	0200151	Flora 7	45	15	8/28/2017
Fort Bend	0790385	Fulbrook Subdivision Water Plant	660	244	8/28/2017
Calhoun	0290007	GBRA Calhoun County Rural Water System	4020	1340	8/27/2017
Calhoun	0290005	GBRA Port Lavaca	0	8313	8/27/2017
Liberty	1460179	Grande San Jacinto WS	72	24	8/26/2017
Brazoria	0200349	Heights Country Subd	105	34	8/28/2017
HARRIS	1013159	Hunter's Village	90	47	8/28/2017
HARRIS	1013153	Imperial Valley MHC	450	110	8/28/2017
HARRIS	1010068	Industrial Utilites	2500	97	8/28/2017
Tyler	2290010	Ivanhoe Land of Lakes	2055	685	8/30/2017
HARRIS	1010163	Kenwood Subdivision	156	50	8/28/2017
HARRIS	1011536	Kitzwood Subdivision	90	32	8/28/2017
Polk	1870019	Lake Livingston Bass Bay Indian Hill 1	132	44	8/28/2017
Liberty	1460025	Lake Livingston Big Thicket Lake 1	228	76	8/28/2017

San Jacinto	2040026	Lake Livingston Cozy Forest	166	58	8/28/2017
Polk	1870027	Lake Livingston Estates 4&5	627	209	8/28/2017
Polk	1870068	Lake Livingston Forest Hills Water	359	147	8/28/2017
Polk	1870020	Lake Livingston Indian Hills 2 Water	627	252	8/28/2017
Polk	1870013	Lake Livingston Nugents Cove	469	194	8/28/2017
Polk	1870025	Lake Livingston Pineshadows	1811	742	8/28/2017
Polk	1870166	Lake Livingston Pineshadows East	0	5313	8/28/2017
Fort Bend	0790423	Lakes of Mission Grove	138	84	8/28/2017
HARRIS	1013050	Lakes of Rosehill Water System	1242	411	8/28/2017
Brazoria	0200067	Las Playas	321	114	8/28/2017
Montgomery	1700039	Lazy River Improvement District	788	220	8/29/2017
Chambers	0360081	Leaning Oaks	102	31	8/28/2017
Liberty	1460012	Liberty County FWSD 1 Hull	1020	340	8/30/2017
Matagorda	1610129	Live Oak Landing Subdivision	39	13	8/26/2017
Jim Wells	1250039	LOMA LINDA WATER SUPPLY	144	48	8/26/2017
Brazoria	0200347	Meadowland Subdivision	351	118	8/28/2017
Brazoria	0200271	Meadowlark Subdivision	105	31	8/28/2017
Brazoria	0200189	Meadowview Subdivision	129	43	8/28/2017
HARRIS	1010288	Mobile Home Estates	543	181	8/28/2017
MONTGOMERY	1700773	Montgomery Co MUD 119 Spring Trails	3126	909	8/29/2017
Brazoria	0200226	Mooreland Subdivision Blk 1 & 2	156	56	8/28/2017
Brazoria	0200227	Mooreland Subdivision Blk 3 & 4	93	30	8/28/2017
Brazoria	0200146	Oak Bend Estates	165	55	8/28/2017
Matagorda	1610031	Oak Hollow Subdivision	72	24	8/28/2017
Liberty	1460096	Oak Meadows II	105	35	8/28/2017

Liberty	1460100	Oak Meadows Subdivision II & III	246	46	8/28/2017
Brazoria	0200242	Palmetto Subdivision	120	42	8/28/2017
HARRIS	1013041	Park Forest Water System	210	70	8/28/2017
Waller	2370005	Pattison WSC	1461	30	8/28/2017
HARRIS	1011955	Peek Road Utilities	483	160	8/28/2017
HARRIS	1010535	Pine Trails Utility Company Inc.	6969	2323	8/28/2017
Polk	1870130	Pinwah Pines Estates	130	54	8/29/2017
Chambers	0360096	Plantation on Cotton Bayou	1497	502	8/28/2017
Brazoria	0200223	Pleasant Meadows Subd	84	26	8/28/2017
Brazoria	0200248	Pleasantdale Subd	48	17	8/28/2017
Calhoun	0290065	Port Oconnor Improvement District	1250	1673	8/26/2017
Wharton	2410010	Pyssen's Live Oak Estates	138	46	8/28/2017
Brazoria	0200219	Quail Meadows Subd	108	37	8/26/2017
Liberty	1460178	Rancho San Vicente	96	32	8/26/2017
Fort Bend	0790405	Riverwood Forest	678	240	8/28/2017
Fort Bend	0790396	Rose Meadows III	435	215	8/26/2017
San Patricio	2050010	Saint Paul WSC	450	185	8/27/2017
San Patricio	2050011	San Patricio County Municipal Water District	225	33499	8/25/2017
Brazoria	0200255	Sandy Ridge Subd	60	22	8/28/2017
Fort Bend	0790389	Shadow Grove	111	37	8/28/2017
Brazoria	0200258	Sharondale Subd	87	30	8/28/2017
Liberty	1460115	South Dayton Oaks	69	23	8/28/2017
Brazoria	0200415	South Meadows East	360	120	8/28/2017
Brazoria	0200413	South Meadows West	87	145	8/28/2017
Bee	0130016	South Texas Children's Home	150	29	8/25/2017
HARRIS	1013103	Stable Gates	744	248	8/28/2017
Brazoria	0200363	Sterling Estates	105	31	8/28/2017
HARRIS	1010216	Stetner Addition	135	48	8/28/2017
HARRIS	1013187	Summer Lake Ranch	465	156	8/26/2017

Jefferson	1230083	Sunchase Subdivision	104	42	8/28/2017
Jackson	1200037	Sunrise Bay Subdivision	33	11	8/26/2017
Aransas	0040055	Sunset Bay	45	15	8/26/2017
HARRIS	1011865	Tasfield	219	68	8/28/2017
Matagorda	1610033	Tidewater Oaks Subd	234	66	8/28/2017
Liberty	1460145	Towering Oaks I	127	45	8/28/2017
Polk	1960003	Town of Woodsboro	1494	746	8/28/2017
Matagorda	1610017	Tres Palacios Oaks Subd	603	196	8/28/2017
Chambers	0360084	Trinity Cove	96	32	8/28/2017
Brazoria	0200024	Wagon Wheel Utility Company	309	97	8/26/2017
HARRIS	1013195	Walraven Subdivision	198	66	8/28/2017
Matagorda	1610137	Waypoint Landing	33	11	8/26/2017
Brazoria	0200211	Wellborn Acres	51	18	8/28/2017
Brazoria	0200254	Westwood Subd	84	28	8/28/2017
Brazoria	0200019	Weybridge SUBD	87	29	8/28/2017
HARRIS	1013570	Willow Creek Industrial Park	24	1	8/28/2017
MONTGOMERY	1700321	Wilshire Subdivision	240	82	8/26/2017
Brazoria	0200229	Windsong Subd	129	44	8/28/2017
MONTGOMERY	1700657	Woodland Ranch	294	110	8/28/2017
Liberty	1460093	Woodridge Park Subdivision	135	45	8/28/2017
Liberty	1460091	Woodway Subdivision WS	924	308	8/28/2017
Liberty	1460163	Cedar Creek WS	900	300	8/28/2017
Harris	1010494	Lake Forest Utility District	6291	2073	8/29/2017
Montgomery	1700652	Pine Knob Subdivision	39	13	8/29/2017
Liberty	1460150	Southern Oaks WS	99	33	8/29/2017
Wilson	2470020	Lake Valley Water	456	152	8/27/2017
Montgomery	1700318	Coe Country	39	13	8/30/2017
Brazoria	0200656	Chenango Ranch	51	17	8/26/2017
Brazoria	0200616	Suncreek Ranch Section 2	195	65	8/26/2017
San Patricio	2050007	City of Taft	4560	1520	8/27/2017

Calhoun	0290071	La Salle WCID 1-A	261	87	8/27/2017
Calhoun	0290065	Port Oconnor Improvement District	1250	1673	8/27/2017
Montgomery	1700208	Washington County Railroad	648	216	8/29/2017
Polk	1870136	Coutry Sunrise	144	59	8/28/2017
Polk	1870123	Goodrich North	216	72	8/28/2017
Calhoun	0290003	Union Carbide Seadrift Plant	683	150	8/29/2017
Jefferson	1230004	Meeker MWD	2864	1132	8/30/2017
Hardin	1000053	Big Thicket Retreat	95	36	8/30/2017
San Jacinto	2040034	Lake Livingston Flowing Wells	133	46	8/30/2017
Liberty	1460144	Old Snake River Estates West	42	14	8/30/2017
Liberty	1460027	Hoop N Holler Lake Estates	282	100	8/30/2017
Liberty	1460036	Lake Livingston New River Lake Estates	132	44	8/30/2017
Liberty	1460143	Horseshoe Lake Estates Sunset	111	37	8/30/2017
Liberty	1460014	Sam Houston Lake Estates 1	81	27	8/30/2017
Polk	1870051	Lake Livingston Wilson Lake Estates	167	67	8/30/2017
Harris	1010501	Harris County Utility District 6	7410	2470	8/30/2017
Galveston	0840044	Bolivar Peninsula SUD	12924	5024	8/30/2017
Jefferson	1230086	Northwest Forest MUD	615	243	8/31/2017
Bee	0130016	South Texas Children's Home	150	29	8/26/2017
Hardin	1000070	Ranchland	40	15	8/31/2017
Harris	1011461	Red Dot South RV Park	114	38	8/31/2017
Harris	1010494	Lake Forest Utility District	6291	2073	8/29/2017
Brazos	0210016	Wellborn SUD	19068	7627	8/30/2017

TOTAL POPULATION 264431

Inoperable Public Water Systems (2 pages long)

County	PWSID	PWS Name	Population	Connections
Harris	1010085	Apache Land	177	59

Victoria	2350042	ARENOSA CREEK ESTATES	65	26
Montgomery	1700171	Arrowhead Lake_Frontier Lake	957	326
Brazoria	0200570	Bayou Shadows WS	150	50
Harris	1010098	Beaumont Place	2082	694
Victoria	2350005	Brentwood_Water	456	152
Liberty	1460025	BIG THICKET LAKE ESTATES 1	228	76
Aransas	0040058	Captain Kens RV Park	30	22
Polk	1870088	Chesswood WS	102	41
Jefferson	1230001	City of Beaumont Water UD	130260	49263
Refugio	1960001	CITY OF REFUGIO		
Victoria	2350002	CITY OF VICTORIA	62592	31853
Victoria	2350035	COLETO CREEK MOBILE HOME PARK	105	45
Victoria	2350036	COLETO WATER	450	150
Aransas	40003	COPANO COVE SUBDIVISION		
Aransas	40017	COPANO HEIGHTS WATER		
Aransas	40029	COPANO RIDGE SUBDIVISION		
Harris	1011651	Cypress Fields Subdivision	441	151
Harris	1010254	Cypress Place	147	49
Montgomery	1700040	Enchanted Forest	54	18
Calhoun	0290007	GBRA Calhoun Co Rural WS	4020	1340
Calhoun	0290005	GBRA Port Lavaca	0	8313
Harris	1010501	Harris Co Utility District 6	7410	2470
Brazoria	0200218	Hastings Homeowners WS	177	60
Liberty	1460085	Huntsman Petrochemical Dayton Facility	50	6
Liberty	1460164	Indian Springs WS	183	61
Brazoria	0200401	Key Largo Utilities	28	30
Liberty	1460007	Lake Livingston Big Thicket Lake 2	435	145
Polk	1870136	Lake Livingston Country Sunrise	144	59
Polk	1870123	Lake Livingston Goodrich North	216	72
Polk	1870067	Lake Livingston Wild Country Lake Estates	466	191
Wilson	2470020	LAKE VALLEY WATER	456	152
Live Oak	1490017	LAKE VISTA UTILITY CO	708	236
Jefferson	1230004	MEEKER MWD		
Harris	1011510	Mark's Glen Subdivision	258	87
Matagorda	1610052	Matagorda Dunes Subdivision	426	142
Matagorda	1610052	Matagorda Dunes Subdivision	426	142
Montgomery	1700773	Montgomery Co MUD 119 Spring Trails	3126	909
Harris	1010915	North Woods Estates	102	34
Nueces	1780006	NUECES COUNTY WCID 4	900	300
Waller	2370005	PATTISON WSC	1461	487
Polk	1870055	Oak Terrace Estates WS	302	125

Brazoria	0200617	Palm Crest	117	74
Polk	1870130	Pinwah Pines Estates	130	54
Calhoun	290027	PORT ALTO HOA DISTRICT 1	115	32
Calhoun	0290028	Port Alto WSC	115	32
Harris	1010196	Ralston Acres WSC	330	110
Montgomery	1700778	Rio Vista Subdivision	117	39
Harris	1011861	Rolling Oaks	285	91
Harris	1010201	Royalwood MUD	1017	339
Calhoun	290054	SEADRIFT COKE PLANT		
Brazoria	200053	SNUG HARBOR SUBDIVISION		
Calhoun	290056	SUNILANDINGS UTILITIES		
Victoria	2350009	THE ESTATES OF SANDY HILLS		
Newton	1760002	Toledo Village WSC	1531	543
Calhoun	0290003	Union Carbide Seadrift Plant	683	150
Victoria	2350001	Victoria Co WCID 1	2459	859
Harris	1010320	Western Trails Subdivision	129	43
Harris	1010622	Westgate Subdivision	147	49
HARRIS	1010622	Westgate Subdivision	147	51
Brazoria	0200019	Weybridge Subd	87	31
TOTAL POPULATION			226999	

Inoperable Wastewater Systems (2 pages long)

WW Name	ID	Issue	County
Archdioces of Galvestion	14218001	No power	Montgomery
Bloomington ISD	14578001	WWTP under water and no water	Victoria
Beach Road Mud	13563001	clarifies hit	Matagorda
Caney Creek	10124004	facility hit by tornado, debris landed on treatment units and caused damages to plant nad generator	Matagorda
City of Austwell	11117001	Do not have fuel for genertor	Refugio
City of Baytown	10395007	under water	Haris
City of Beeville	10124004	being directed to Moore Street WWTP which is fully operational	Bee
City of Cleveland	10766001	under water	Liberty
City of Cleveland	10766002	under water	Liberty
City of Conroe	10008002	under water	Montgomery
City of Gregory	10092001	Roof of control center blown off, need generatorfor WWTP and 2 480v for generators	San Patricio
City of Patton Village	15294001	3 lift stations are submerged	Montgomery
City of Pearland	10134010	Structure damage, generator not working	Brazoria
City of Pearland	10134002	under water	Brazoria
City of Taft	10705001	Roof damage at WWTP	San Patricio
City of West Columbia	10312001	shut down, entire collection system under water	Brazoria
Corix Utilities	14404001	power outage	Matagorda
Farmers Transport Inc	14823001	Need power	Calhoun
Forest Glenn	11844001	digester is damaged, lost some activated sludge	Walker
Harris County WCID 1	10528001	underwater	Harris
Harris County WCID 1	10104001	generators or bypass not working	Harris
Lighthouse RV Park	1593001	not operating	Matagorda
Memorial Villages Water Authority	10584001	plant inundated with water	Harris
Montgomery County Mud 139	10104001	not operating	Harris
Montgomery County Mud 16	11386001	lost power, 4 feet of water	Montgomery

Roman Forest Consolidated Mud	13638001	under water	Matagorda
San Patricio County MUD 1	13644001	No power	San Patricio
South Central Calhoun County WCID 1	13774001	has single generator but is not enough to power the system, flow is too high. Sustained collection system damage. Cannot completely asses due to system being evacuated.	Calhoun
Tx Dept of Transportation	14619001	no power	Guadalupe
US Army Corp of Engineers	12088001	lift station damaged	Washington

OW Management Report for

Hurricane Harvey

September 1, 2017

Background: Harvey continues to weaken as it moves farther inland over northern LA. Heavy rain threat expands northeast into the Tennessee and Ohio valleys

Local/State Activities:

Texas

- EOC at Full Activation
- Governor declared a State of Disaster for 50 counties
- Mandatory/voluntary evacuations in effect for 8 counties and several independent communities
- City of Houston imposed a curfew effective immediately

Louisiana

- EOC at Full Activation with ESFs 1, 3, 6, 7, 8, and DoD
- Governor declared a State of Emergency for all parishes

Federal Activities:

FEMA:

The Federal Emergency Management Administration (FEMA) has activated all Emergency Support Function (ESF) at FEMA Region 6 and the NRCC.

EPA Activities: Region 6:

EPA continues to support TCEQ in contacting drinking water and waste water systems. EPA deployed 10 personnel to assist TCEQ's Drinking Water and Waste Water Phone Bank located in Austin, Texas on August 28, 2017.

On Saturday, September 2, 2017, EPA will send four additional Drinking Water/Wastewater Assessment Teams to Corpus Christi, and four Drinking Water/Wastewater Assessment Teams to Houston.

EPA HQ:

The EPA HQ EOC was activated on Monday 8/28/2017. Water Desk Staffing for the holiday weekend is as follows:

Saturday 9/2: Kevin Tingley

Sunday 9/3: Brian Pickard

Monday 9/4: Kevin Tingley

Tuesday 9/5: David Goldbloom-Helzner

Drinking Water / Wastewater Assessments

Beaumont Water Plant is not operational now, but staff are running a line to the Nueces River near the existing intake on a temporary basis so service can be restored. By noon tomorrow they hope to be at half capacity, 10 MGD, and to full capacity of 20 MGD within 48 hours. Storage tanks are full or near full and valved off. The town is on a boil water notice. The residents are being provided bottled water and porta potties are being trucked in and set up.

EPA is working closely with the TCEQ to man a "call bank" to reach drinking water and waste water facilities to determine their needs and operational status. To date, TCEQ and EPA have determined that 53 drinking water systems are not functioning due to loss of power or damage from the storm. Another 58 drinking water systems are compromised and running on generator power. A total of 22 waste water systems are shut down. Boil water orders have been issued as appropriate. Army of Corp of Engineers is working to locate pumps for them. They will either truck or fly them in. The system is good on chemicals and they do have chlorine tanks but they are secure in a building that is not impacted. Also, the Texas State Operations Center (SOC) is working to begin on hauling water as soon as a route is determined.

2017 HURRICANE HARVEY DRINKING WATER OPERATIONAL STATUS

Current Status: Operational status codes best describe the condition of the system at the time of the current assessment.

Codes that result in Red & Yellow will require additional follow up (phone or site). Blue codes require a site visit.

Status Code	Status Detail	Status Code Description	Number of Systems*
OK	No problems	Normal power was never lost (or was restored before pressure loss) AND System never lost treatment.	1212
CLEAR	Lifted BWN due to neg. BacT samples. Normal operations resumed	BW lifted – negative BacT results. System has returned to normal operations, on grid power and with treatment. CLEAR code used when sampling has been used to lift BWN, otherwise OK code is used.	57
GENOK	On generator – never lost pressure	Currently operating on emergency power/generator but system never lost pressure and/or treatment (generator wear out/refueling concerns).	13
GENLP	On generator – lost pressure	Currently operating on emergency power/generator and system lost pressure and/or treatment before getting emergency power (contamination concerns).	10
LP/LT	Lost pressure & or Treatment	System on grid power but has lost pressure and or treatment and has not been able to lift BWN.	54
RESULTS	BacT sample results pending	System functional, flushed and BacT samples collected to clear BWN.	10
INOP	Not Operating	Contact made with system. System is offline & or unable to maintain required pressure and/or treatment.	44
	System Destroyed	System Destroyed.	1
OUT	Out of Contact	Contact attempted by phone but system is unreachable; will call again.	21
NO STATUS	No Status Available	No Contact made.	2927
*Total number of systems from 50 TX counties tracked in Response Manager system.			4512

Water Operational Definition: All drinking water served to customers is treated to National Primary Drinking Water Standards and is moving through all parts of the distribution system at or above the state-required minimum pressure (20 psi or 35 psi for Harris County). The system is able to meet these requirements on a permanent basis in lieu of a temporary basis in response to the incident.

Boil Water Notice (BWN): A BWN is required any time a system drops below 20 psi at any point in the distribution system. A 24-hour public notification is required and a system must take bacteriological (BacT) samples once the minimum 20 psi can be consistently maintained. Bacteriological sample analysis must return an “absent” result indicating the sample is absent of bacteriological contamination.

Summary Information on System Status as Reported by TCEQ		
	Systems	Population
Boil Water Notices (BWN) In Place	166	264,431
Inoperable Public Water Systems	61	226,999
Inoperable Wastewater Treatment Systems	30	NA

2017 HURRICANE HARVEY WASTEWATER OPERATIONAL STATUS

Current Status: Operational status codes best describe the condition of the system at the time of the current assessment.

Codes that result in Red & Yellow will require additional follow up (phone or site visit). Blue codes require a site visit.

Status Code	Status Detail	Status Code Description	Number of Systems*
OK	No Problems	WWTP and Collection system fully operational and on grid power	428
OpGen	WWTP and Collection on Generator	WWTP and/or Collection system is fully operational and on Generator Power or bypass pumps for lift stations (generator wear out/refueling concerns).	25
Pop	WWTP and Collection Partially Operational SSO	WWTP and/or Collection system partially operational – Sanitary Sewer Overflow (SSO) in collection system (public health concerns).	16
NonOp	WWTP and Collection non-operational no SSO	WWTP and/or Collection system non-operational – No Sanitary Sewer Overflow.	29
	System Destroyed	System Destroyed	1
OUT	Out of Contact - phone eval only	Contact attempted by phone but system unreachable; will call again.	5
NO STATUS	No Status Available	No Contact made.	1912
*Total number of systems from 50 TX counties tracked in Response Manager system			2469

Wastewater Operational Definition - All domestic wastewater collected, treated then discharged or land applied is permitted through the Texas Pollution Discharge Elimination System (30 TAC 305 rules) and discharges are required to meet the standards set by the Texas Surface Water Quality Standards and the Federal Clean Water Act. The wastewater collection and treatment system is able to meet these requirements on a permanent basis in lieu of a temporary basis in response to the incident. This definition does not include "onsite wastewater treatments systems" regulated under 30 TAC 285.

STATUS OF INDIVIDUAL UTILITIES URRICANE HARVEY

TCEQ provided the following data on the status of individual water and wastewater utilities. It includes tables on boil water notifications, inoperable public water systems, and inoperable wastewater systems.

Boil Water Notifications (6 pages long)

County	PWSID	PWS Name	Population	Connections	Issue/ Start Date
HARRIS	1012806	Alton Theiss Subdivision	45	14	8/28/2017
HARRIS	1011687	Atascocita Acres Subdivision	381	128	8/28/2017
HARRIS	1010809	Bammel Oaks Estates No 1	33	13	8/28/2017
HARRIS	1010810	Bammel Oaks Estates No 2	234	80	8/28/2017
Harris	1010098	Beaumont Place	2082	694	8/26/2017
Liberty	1460175	Bella Vista	657	219	8/26/2017
HARRIS	1010099	Bergville Addition	27	10	8/28/2017
Brazoria	0200065	Bernard Acres	228	81	8/28/2017
HARRIS	1011860	Berry Hill Estates	144	52	8/28/2017
HARRIS	1011084	Boudreaux Gardens	123	34	8/28/2017
HARRIS	1011014	Brittmoore Utility Company	2871	827	8/28/2017
Brazoria	0200152	Calico Farms	75	23	8/28/2017
SAN JACINTO	2040038	Camilla Twin Harbor	554	195	8/30/2017
Jackson	1200022	Cape Carancahua WSC	1212	404	8/26/2017
Chambers	0360093	Carriage Trails	96	33	8/28/2017
Liberty	1460102	Cedar Estates	246	258	8/28/2017
MONTGOMERY	1700555	Cimarron Country	702	242	8/29/2017
Liberty	1460004	City of Daisetta	1137	403	8/30/2017
Goliad	0880001	City of Goliad	2025	1056	8/26/2017
San Patricio	2050001	City of Gregory	1901	650	8/26/2017
San Patricio	2050002	City of Ingleside	9557	3287	8/26/2017
Fayette	0750003	City of La Grange	4793	2323	8/28/2017
Jefferson	1230039	City of Nome	753	295	8/28/2017
San Patricio	2050004	City of Odem	2499	1285	8/26/2017
Calhoun	0290002	City of Port Lavaca	12248	5390	8/27/2017

Refugio	1960001	City of Refugio	2890	1404	8/29/2017
Aransas	0040002	City of Rockport	26450	10841	8/28/2017
San Patricio	2050006	City of Sinton	5657	2368	8/26/2017
Victoria	2350002	City of Victoria	62592	31853	8/24/2017
Montgomery	1700304	City of Wood Branch Village	1476	492	8/28/2017
ANGELINA	0030030	City of Zavalla	710	434	8/29/2017
HARRIS	1010116	Colonial Hills	930	311	8/28/2017
HARRIS	1013189	Country Club Green	405	138	8/27/2017
Brazoria	0200337	Country Creek Estates	198	71	8/28/2017
Jefferson	1230037	Country Side Estates	1176	425	8/28/2017
HARRIS	1013296	Cypress Creek Ranch	273	91	8/28/2017
Polk	1870126	Dallardsville Segno WSC	613	246	8/28/2017
Liberty	1460141	Dayton Creek Water System	225	22	8/28/2017
Liberty	1460136	Dayton Oaks Estate	216	72	8/28/2017
MONTGOMERY	1700129	Dogwood Hills	927	317	8/28/2017
HARRIS	1010122	Dorsett Place	42	15	8/28/2017
Jim Wells	1250033	ENGLISH ACRES	90	30	8/26/2017
HARRIS	1013262	Estates of Willow Creek	588	237	8/28/2017
Nueces	1780058	Flint Hills Resources	2183	1	8/26/2017
Brazoria	0200153	Flora 6	51	16	8/28/2017
Brazoria	0200151	Flora 7	45	15	8/28/2017
Fort Bend	0790385	Fulbrook Subdivision Water Plant	660	244	8/28/2017
Calhoun	0290007	GBRA Calhoun County Rural Water System	4020	1340	8/27/2017
Calhoun	0290005	GBRA Port Lavaca	0	8313	8/27/2017
Liberty	1460179	Grande San Jacinto WS	72	24	8/26/2017
Brazoria	0200349	Heights Country Subd	105	34	8/28/2017
HARRIS	1013159	Hunter's Village	90	47	8/28/2017
HARRIS	1013153	Imperial Valley MHC	450	110	8/28/2017
HARRIS	1010068	Industrial Utilites	2500	97	8/28/2017
Tyler	2290010	Ivanhoe Land of Lakes	2055	685	8/30/2017

HARRIS	1010163	Kenwood Subdivision	156	50	8/28/2017
HARRIS	1011536	Kitzwood Subdivision	90	32	8/28/2017
Polk	1870019	Lake Livingston Bass Bay Indian Hill 1	132	44	8/28/2017
Liberty	1460025	Lake Livingston Big Thicket Lake 1	228	76	8/28/2017
San Jacinto	2040026	Lake Livingston Cozy Forest	166	58	8/28/2017
Polk	1870027	Lake Livingston Estates 4&5	627	209	8/28/2017
Polk	1870068	Lake Livingston Forest Hills Water	359	147	8/28/2017
Polk	1870020	Lake Livingston Indian Hills 2 Water	627	252	8/28/2017
Polk	1870013	Lake Livingston Nugents Cove	469	194	8/28/2017
Polk	1870025	Lake Livingston Pineshadows	1811	742	8/28/2017
Polk	1870166	Lake Livingston Pineshadows East	0	5313	8/28/2017
Fort Bend	0790423	Lakes of Mission Grove	138	84	8/28/2017
HARRIS	1013050	Lakes of Rosehill Water System	1242	411	8/28/2017
Brazoria	0200067	Las Playas	321	114	8/28/2017
Montgomery	1700039	Lazy River Improvement District	788	220	8/29/2017
Chambers	0360081	Leaning Oaks	102	31	8/28/2017
Liberty	1460012	Liberty County FWSD 1 Hull	1020	340	8/30/2017
Matagorda	1610129	Live Oak Landing Subdivision	39	13	8/26/2017
Jim Wells	1250039	LOMA LINDA WATER SUPPLY	144	48	8/26/2017
Brazoria	0200347	Meadowland Subdivision	351	118	8/28/2017
Brazoria	0200271	Meadowlark Subdivision	105	31	8/28/2017
Brazoria	0200189	Meadowview Subdivision	129	43	8/28/2017
HARRIS	1010288	Mobile Home Estates	543	181	8/28/2017
MONTGOMERY	1700773	Montgomery Co MUD 119 Spring Trails	3126	909	8/29/2017
Brazoria	0200226	Mooreland Subdivision Blk 1 & 2	156	56	8/28/2017
Brazoria	0200227	Mooreland Subdivision Blk 3 & 4	93	30	8/28/2017

Brazoria	0200146	Oak Bend Estates	165	55	8/28/2017
Matagorda	1610031	Oak Hollow Subdivision	72	24	8/28/2017
Liberty	1460096	Oak Meadows II	105	35	8/28/2017
Liberty	1460100	Oak Meadows Subdivision II & III	246	46	8/28/2017
Brazoria	0200242	Palmetto Subdivision	120	42	8/28/2017
HARRIS	1013041	Park Forest Water System	210	70	8/28/2017
Waller	2370005	Pattison WSC	1461	30	8/28/2017
HARRIS	1011955	Peek Road Utilities	483	160	8/28/2017
HARRIS	1010535	Pine Trails Utility Company Inc.	6969	2323	8/28/2017
Polk	1870130	Pinwah Pines Estates	130	54	8/29/2017
Chambers	0360096	Plantation on Cotton Bayou	1497	502	8/28/2017
Brazoria	0200223	Pleasant Meadows Subd	84	26	8/28/2017
Brazoria	0200248	Pleasantdale Subd	48	17	8/28/2017
Calhoun	0290065	Port Oconnor Improvement District	1250	1673	8/26/2017
Wharton	2410010	Pyssen's Live Oak Estates	138	46	8/28/2017
Brazoria	0200219	Quail Meadows Subd	108	37	8/26/2017
Liberty	1460178	Rancho San Vicente	96	32	8/26/2017
Fort Bend	0790405	Riverwood Forest	678	240	8/28/2017
Fort Bend	0790396	Rose Meadows III	435	215	8/26/2017
San Patricio	2050010	Saint Paul WSC	450	185	8/27/2017
San Patricio	2050011	San Patricio County Municipal Water District	225	33499	8/25/2017
Brazoria	0200255	Sandy Ridge Subd	60	22	8/28/2017
Fort Bend	0790389	Shadow Grove	111	37	8/28/2017
Brazoria	0200258	Sharondale Subd	87	30	8/28/2017
Liberty	1460115	South Dayton Oaks	69	23	8/28/2017
Brazoria	0200415	South Meadows East	360	120	8/28/2017
Brazoria	0200413	South Meadows West	87	145	8/28/2017
Bee	0130016	South Texas Children's Home	150	29	8/25/2017
HARRIS	1013103	Stable Gates	744	248	8/28/2017

Brazoria	0200363	Sterling Estates	105	31	8/28/2017
HARRIS	1010216	Stetner Addition	135	48	8/28/2017
HARRIS	1013187	Summer Lake Ranch	465	156	8/26/2017
Jefferson	1230083	Sunchase Subdivision	104	42	8/28/2017
Jackson	1200037	Sunrise Bay Subdivision	33	11	8/26/2017
Aransas	0040055	Sunset Bay	45	15	8/26/2017
HARRIS	1011865	Tasfield	219	68	8/28/2017
Matagorda	1610033	Tidewater Oaks Subd	234	66	8/28/2017
Liberty	1460145	Towering Oaks I	127	45	8/28/2017
Polk	1960003	Town of Woodsboro	1494	746	8/28/2017
Matagorda	1610017	Tres Palacious Oaks Subd	603	196	8/28/2017
Chambers	0360084	Trinity Cove	96	32	8/28/2017
Brazoria	0200024	Wagon Wheel Utility Company	309	97	8/26/2017
HARRIS	1013195	Walraven Subdivision	198	66	8/28/2017
Matagorda	1610137	Waypoint Landing	33	11	8/26/2017
Brazoria	0200211	Wellborn Acres	51	18	8/28/2017
Brazoria	0200254	Westwood Subd	84	28	8/28/2017
Brazoria	0200019	Weybridge SUBD	87	29	8/28/2017
HARRIS	1013570	Willow Creek Industrial Park	24	1	8/28/2017
MONTGOMERY	1700321	Wilshire Subdivision	240	82	8/26/2017
Brazoria	0200229	Windsong Subd	129	44	8/28/2017
MONTGOMERY	1700657	Woodland Ranch	294	110	8/28/2017
Liberty	1460093	Woodridge Park Subdivision	135	45	8/28/2017
Liberty	1460091	Woodway Subdivision WS	924	308	8/28/2017
Liberty	1460163	Cedar Creek WS	900	300	8/28/2017
Harris	1010494	Lake Forest Utility District	6291	2073	8/29/2017
Montgomery	1700652	Pine Knob Subdivision	39	13	8/29/2017
Liberty	1460150	Southern Oaks WS	99	33	8/29/2017
Wilson	2470020	Lake Valley Water	456	152	8/27/2017
Montgomery	1700318	Coe Country	39	13	8/30/2017
Brazoria	0200656	Chenango Ranch	51	17	8/26/2017

Brazoria	0200616	Suncreek Ranch Section 2	195	65	8/26/2017
San Patricio	2050007	City of Taft	4560	1520	8/27/2017
Calhoun	0290071	La Salle WCID 1-A	261	87	8/27/2017
Calhoun	0290065	Port Oconnor Improvement District	1250	1673	8/27/2017
Montgomery	1700208	Washington County Railroad	648	216	8/29/2017
Polk	1870136	Coutry Sunrise	144	59	8/28/2017
Polk	1870123	Goodrich North	216	72	8/28/2017
Calhoun	0290003	Union Carbide Seadrift Plant	683	150	8/29/2017
Jefferson	1230004	Meeker MWD	2864	1132	8/30/2017
Hardin	1000053	Big Thicket Retreat	95	36	8/30/2017
San Jacinto	2040034	Lake Livingston Flowing Wells	133	46	8/30/2017
Liberty	1460144	Old Snake River Estates West	42	14	8/30/2017
Liberty	1460027	Hoop N Holler Lake Estates	282	100	8/30/2017
Liberty	1460036	Lake Livingston New River Lake Estates	132	44	8/30/2017
Liberty	1460143	Horseshoe Lake Estates Sunset	111	37	8/30/2017
Liberty	1460014	Sam Houston Lake Estates 1	81	27	8/30/2017
Polk	1870051	Lake Livingston Wilson Lake Estates	167	67	8/30/2017
Harris	1010501	Harris County Utility District 6	7410	2470	8/30/2017
Galveston	0840044	Bolivar Peninsula SUD	12924	5024	8/30/2017
Jefferson	1230086	Northwest Forest MUD	615	243	8/31/2017
Bee	0130016	South Texas Children's Home	150	29	8/26/2017
Hardin	1000070	Ranchland	40	15	8/31/2017
Harris	1011461	Red Dot South RV Park	114	38	8/31/2017
Harris	1010494	Lake Forest Utility District	6291	2073	8/29/2017
Brazos	0210016	Wellborn SUD	19068	7627	8/30/2017

TOTAL POPULATION	264431
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Inoperable Public Water Systems (2 pages long)

County	PWSID	PWS Name	Population	Connections
Harris	1010085	Apache Land	177	59
Victoria	2350042	ARENOSA CREEK ESTATES	65	26
Montgomery	1700171	Arrowhead Lake_Frontier Lake	957	326
Brazoria	0200570	Bayou Shadows WS	150	50
Harris	1010098	Beaumont Place	2082	694
Victoria	2350005	Brentwood_Water	456	152
Liberty	1460025	BIG THICKET LAKE ESTATES 1	228	76
Aransas	0040058	Captain Kens RV Park	30	22
Polk	1870088	Chesswood WS	102	41
Jefferson	1230001	City of Beaumont Water UD	130260	49263
Refugio	1960001	CITY OF REFUGIO		
Victoria	2350002	CITY OF VICTORIA	62592	31853
Victoria	2350035	COLETO CREEK MOBILE HOME PARK	105	45
Victoria	2350036	COLETO WATER	450	150
Aransas	40003	COPANO COVE SUBDIVISION		
Aransas	40017	COPANO HEIGHTS WATER		
Aransas	40029	COPANO RIDGE SUBDIVISION		
Harris	1011651	Cypress Fields Subdivision	441	151
Harris	1010254	Cypress Place	147	49
Montgomery	1700040	Enchanted Forest	54	18
Calhoun	0290007	GBRA Calhoun Co Rural WS	4020	1340
Calhoun	0290005	GBRA Port Lavaca	0	8313
Harris	1010501	Harris Co Utility District 6	7410	2470
Brazoria	0200218	Hastings Homeowners WS	177	60
Liberty	1460085	Huntsman Petrochemical Dayton Facility	50	6
Liberty	1460164	Indian Springs WS	183	61
Brazoria	0200401	Key Largo Utilities	28	30
Liberty	1460007	Lake Livingston Big Thicket Lake 2	435	145
Polk	1870136	Lake Livingston Country Sunrise	144	59
Polk	1870123	Lake Livingston Goodrich North	216	72
Polk	1870067	Lake Livingston Wild Country Lake Estates	466	191
Wilson	2470020	LAKE VALLEY WATER	456	152
Live Oak	1490017	LAKE VISTA UTILITY CO	708	236
Jefferson	1230004	MEEKER MWD		
Harris	1011510	Mark's Glen Subdivision	258	87
Matagorda	1610052	Matagorda Dunes Subdivision	426	142
Matagorda	1610052	Matagorda Dunes Subdivision	426	142

Montgomery	1700773	Montgomery Co MUD 119 Spring Trails	3126	909
Harris	1010915	North Woods Estates	102	34
Nueces	1780006	NUECES COUNTY WCID 4	900	300
Waller	2370005	PATTISON WSC	1461	487
Polk	1870055	Oak Terrace Estates WS	302	125
Brazoria	0200617	Palm Crest	117	74
Polk	1870130	Pinwah Pines Estates	130	54
Calhoun	290027	PORT ALTO HOA DISTRICT 1	115	32
Calhoun	0290028	Port Alto WSC	115	32
Harris	1010196	Ralston Acres WSC	330	110
Montgomery	1700778	Rio Vista Subdivision	117	39
Harris	1011861	Rolling Oaks	285	91
Harris	1010201	Royalwood MUD	1017	339
Calhoun	290054	SEADRIFT COKE PLANT		
Brazoria	200053	SNUG HARBOR SUBDIVISION		
Calhoun	290056	SUNILANDINGS UTILITIES		
Victoria	2350009	THE ESTATES OF SANDY HILLS		
Newton	1760002	Toledo Village WSC	1531	543
Calhoun	0290003	Union Carbide Seadrift Plant	683	150
Victoria	2350001	Victoria Co WCID 1	2459	859
Harris	1010320	Western Trails Subdivision	129	43
Harris	1010622	Westgate Subdivision	147	49
HARRIS	1010622	Westgate Subdivision	147	51
Brazoria	0200019	Weybridge Subd	87	31
TOTAL POPULATION			226999	

Inoperable Wastewater Systems (2 pages long)

WW Name	ID	Issue	County
Archdioces of Galvestion	14218001	No power	Montgomery
Bloomington ISD	14578001	WWTP under water and no water	Victoria
Beach Road Mud	13563001	clarifies hit	Matagorda
Caney Creek	10124004	facility hit by tornado, debrius landed on treatment units and caused damages to plant nad generator	Matagorda
City of Austwell	11117001	Do not have fuel for genertor	Refugio
City of Baytown	10395007	under water	Haris
City of Beeville	10124004	being directed to Moore Street WWTP which is fully operational	Bee
City of Cleveland	10766001	under water	Liberty
City of Cleveland	10766002	under water	Liberty
City of Conroe	10008002	under water	Montgomery
City of Gregory	10092001	Roof of control center blown off, need generatorfor WWTP and 2 480v for generators	San Patricio
City of Patton Village	15294001	3 lift stations are submerged	Montgomery
City of Pearland	10134010	Structure damage, generator not working	Brazoria
City of Pearland	10134002	under water	Brazoria
City of Taft	10705001	Roof damage at WWTP	San Patricio
City of West Columbia	10312001	shut down, entire collection system under water	Brazoria
Corix Utilities	14404001	power outage	Matagorda
Farmers Transport Inc	14823001	Need power	Calhoun
Forest Glenn	11844001	digester is damaged, lost some activated sludge	Walker
Harris County WCID 1	10528001	underwater	Harris
Harris County WCID 1	10104001	generators or bypass not working	Harris
Lighthouse RV Park	1593001	not operating	Matagorda
Memorial Villages Water Authority	10584001	plant inundated with water	Harris
Montgomery County Mud 139	10104001	not operating	Harris

Montgomery County Mud 16	11386001	lost power, 4 feet of water	Montgomery
Roman Forest Consolidated Mud	13638001	under water	Matagorda
San Patricio County MUD 1	13644001	No power	San Patricio
South Central Calhoun County WCID 1	13774001	has single generator but is not enough to power the system, flow is too high. Sustained collection system damage. Cannot completely asses due to system being evacuated.	Calhoun
Tx Dept of Transportation	14619001	no power	Guadalupe
US Army Corp of Engineers	12088001	lift station damaged	Washington